The Rosette Nebula

An image of the Rosette Nebula (NGC 2237) taken with the KPNO 0.9m Telescope using the Mosaic camera. (Travis A. Rector, Brenda Wolpa, and Mark Hanna, NOAO/AURA/NSF)
NOAO’s CCD Mosaic imagers provide U.S. astronomers with the ability to survey large areas of sky with excellent spatial resolution (0.26") and sensitivity (R > 26; B > 26.5). Nearly identical 8K×8K imagers are available at the 4-m telescopes at the Kitt Peak National Observatory in the north and at the Cerro Tololo Inter-American Observatory in the south.

This image of the Rosette Nebula (NGC 2237) was taken with Mosaic at the National Science Foundation's 0.9-m telescope on Kitt Peak. Five 10-minute exposures were made with Hα, O[III], and S[II] filters and assigned to the red, green, and blue color channels, respectively, to create this false color image.